

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_LD0001G_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_LD0001G_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has adequate emergency supplies and equipment.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start		Rating **	M	Issue No.	14	
LM End		Issue Type +	Ma	Location *		
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_LD0001G_01_s_2013_14					
Comment Code						
Inspector Comment						
The LMA has not completed the flood fight training in the last 10 years.						

No Photos

LM Start	0.25	Rating **	M	Issue No.	41
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.480769 °	39.480769 °
				-122.017301 °	-122.017301 °
DWR ID	DWR_LD0001G_01_f _ 2015_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree from the waterside slope.					

Photo 1 of 2 : SP\_2018\_LD0001G\_432\_41\_20180305\_00011.jpg



View of the tree on the waterside slope.

LM Start	<b>0.25</b>	Rating **	M	Issue No.	<b>41 (cont)</b>
LM End	<b>0.25</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2018\_LD0001G\_432\_41\_20180305\_00012.jpg



View of the fallen tree on the waterside slope looking upstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	1.01	Rating **	M	Issue No.	43
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.490963 °	39.490963 °
				-122.020510 °	-122.020510 °
DWR ID	DWR_LD0001G_01_f_2016_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees to at least 5 feet above the ground for visibility.					

No Photos

LM Start	1.22	Rating **	C	Issue No.	59
LM End	1.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.493667 °	39.493667 °
				-122.018643 °	-122.018643 °
DWR ID	DWR_LD0001G_01_f_2015_59				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The rodent holes have been repaired.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	402
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.501690 °	39.501690 °
				-122.006099 °	-122.006099 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14332 DS_ID:22944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch drainage pipe of an unknown material sleeved through a 12-inch pipe of an unknown material through the levee, 9.5 feet below the crown. Flap gate located on the waterside (WS). Pipe open on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 140, May 1960, (HLM 2.27)]. FS Date: 5/29/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_14332\_23582.jpg



Pump at location of pipe on LS toe.

LM Start	<b>2.22</b>	Rating **	M	Issue No.	<b>402 (cont)</b>
LM End	<b>2.22</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_14332\_23581.jpg



Pipe next to pump at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	402 (cont)	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.501690 °		39.501690 °
				-122.006099 °		-122.006099 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14332						
DS_ID:22944						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch drainage pipe of an						
unknown material sleeved through a 12-inch pipe of an unknown						
material through the levee, 9.5 feet below the crown. Flap gate located						
on the waterside (WS). Pipe open on the landside (LS). [Additional						
Reference(s): USACE Sacramento O&M Manual 140, May 1960, (HLM						
2.27)].						
FS Date: 5/29/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_14332\_23580.jpg



8-inch pipe sleeved through a 12-inch concrete pipe.

LM Start	2.80	Rating **	C	Issue No.	50
LM End	2.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.509503 °	39.509503 °
				-122.008732 °	-122.008732 °
DWR ID	DWR_LD0001G_01_f_2014_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	3.98	Rating **	U	Issue No.	404
LM End	3.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.524990 °	39.524990 °
				-122.009575 °	-122.009575 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51463  
DS\_ID:22904  
EP\_NO: 9572  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/21/2016 Flap gate on WS does not appear to be broken however, flap gate does not fully close due to a 3-inch aluminum pipe sleeve through larger pipe. Need to remove 3-inch pipe in order to have WS flap gate close and to be compliant with Title 23. (O. Magana - DWR UCIP)05/29/2013 Broken flap gate and Concrete headwall on LS toe possibly tilting. Also a 3-inch alluminum irrigation line through the pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 18-inch steel drainage pipe through the levee, 7.3 feet below the crown. Flap gate in 6-inch by 6-inch concrete box located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. (18-inch pipe [HLM 4.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9572, 1974 - Henry and Annabel B. Smith). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 4.05)].  
FS Date: 12/21/2016

LM Start	<b>3.98</b>	Rating **	U	Issue No.	<b>404 (cont)</b>
LM End	<b>3.98</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51463\_27386.jpg



Distribution box on WS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_51463\_27385.jpg



Headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	<b>3.98</b>	Rating **	U	Issue No.	<b>404 (cont)</b>
LM End	<b>3.98</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.524990 °	39.524990 °	
			-122.009575 °	-122.009575 °	
DWR ID					

Comment Code

Inspector Comment

FS\_ID:51463  
DS\_ID:22904  
EP\_NO: 9572  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/21/2016 Flap gate on WS does not appear to be broken however, flap gate does not fully close due to a 3-inch aluminum pipe sleeve through larger pipe. Need to remove 3-inch pipe in order to have WS flap gate close and to be compliant with Title 23. (O. Magana - DWR UCIP)05/29/2013 Broken flap gate and Concrete headwall on LS toe possibly tilting. Also a 3-inch alluminum irrigation line through the pipe. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 18-inch steel drainage pipe through the levee, 7.3 feet below the crown. Flap gate in 6-inch by 6-inch concrete box located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. (18-inch pipe [HLM 4.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9572, 1974 - Henry and Annabel B. Smith). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 4.05)].  
FS Date: 12/21/2016

Photo 3 of 3 : UCIP\_SP\_2018\_51463\_27384.jpg



Distribution box on WS toe with broken flap gate and 3-inch aluminum irrigation pipe.

LM Start	<b>5.06</b>	Rating **	M	Issue No.	<b>57</b>
LM End	<b>5.06</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.534593 °	39.534593 °	
			-121.995950 °	-121.995950 °	
DWR ID	DWR_LD0001G_01_f_2013_57				

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_57\_20180305\_00024.jpg



View of the vehicle erosion along the slope of the levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	5.08	Rating **	U	Issue No.	7
LM End	5.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.534741 °	39.536013 °
				-121.996024 °	-121.996702 °
DWR ID	DWR_LD0001G_01_f_2012_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_7\_20180305\_00003.jpg



View of the rodent hole along the levee slope.

LM Start	5.22	Rating **	U	Issue No.	67	
LM End	5.22	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.536750 °		39.536750 °
				-121.997090 °		-121.997090 °
DWR ID	DWR_LD0001G_01_s_2016_67					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Rodent holes on the LS slope need to be backfilled.						

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_67\_20180305\_00033.jpg



View of the rodent holes along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	5.51	Rating **	A/W	Issue No.	406
LM End	5.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.540546 °	39.540546 °
				-121.998981 °	-121.998981 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14346 DS_ID:22907 EP_NO: 344 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch drainage pipe of an unknown material through the levee, 6.5 feet below the crown. Gate valve at the waterside (WS) toe. Air vent and pump at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9566, 1974 - B. and M. Giesbrecht). (Permit No. 344, Date Unknown - Alameda Sugar). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 5.61)]. FS Date: 5/30/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_14346\_23601.jpg



Pump, vent, and pipe on LS toe.

LM Start	<b>5.51</b>	Rating **	A/W	Issue No.	<b>406 (cont)</b>
LM End	<b>5.51</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_14346\_23600.jpg



Gate valve on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	5.51	Rating **	A/W	Issue No.	406 (cont)	
LM End	5.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.540546 °	39.540546 °	
				-121.998981 °	-121.998981 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14346 DS_ID:22907 EP_NO: 344 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 12-inch drainage pipe of an unknown material through the levee, 6.5 feet below the crown. Gate valve at the waterside (WS) toe. Air vent and pump at the landside (LS) toe. (Automatic Board Order (ABO) issued as Permit No. 9566, 1974 - B. and M. Giesbrecht). (Permit No. 344, Date Unknown - Alameda Sugar). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 5.61)]. FS Date: 5/30/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_14346\_23599.jpg



Gate valve on WS toe.

LM Start	5.55	Rating **	U	Issue No.	75
LM End	5.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.541110 °	39.541110 °
				-121.999348 °	-121.999348 °
DWR ID	DWR_LD0001G_01_f _ 2016_75				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Large rodent hole on the landside toe.					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_75\_20180305\_00038.jpg



View of the rodent holes along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	5.71	Rating **	M	Issue No.	68
LM End	5.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.543345 °	39.544320 °
				-122.000428 °	-122.001012 °
DWR ID	DWR_LD0001G_01_s_2018_68				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the vegetation from the waterside slope and toe.					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_68\_20180312\_00124.jpg



View of the vegetation along the waterside slope and toe.

LM Start	5.77	Rating **	M	Issue No.	70
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.544087 °	39.544087 °
				-122.000863 °	-122.000863 °
DWR ID	DWR_LD0001G_01_s_2018_70				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_70\_20180312\_00125.jpg



You of the rodent holes along the landside slope.

LM Start	6.22	Rating **	M	Issue No.	47
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550533 °	39.550533 °
				-122.002319 °	-122.002319 °
DWR ID	DWR_LD0001G_01_s_2014_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_47\_20180305\_00015.jpg



View of the rodent activity along the l/s slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	6.24	Rating **	M	Issue No.	76
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550725 °	39.550725 °
				-122.002370 °	-122.002370 °
DWR ID	DWR_LD0001G_01_f_2016_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_76\_20180305\_00039.jpg



View of the rodent holes along the landside slope.

LM Start	6.30	Rating **	C	Issue No.	65
LM End	6.30	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.551665 °	39.551665 °
				-122.002639 °	-122.002639 °
DWR ID	DWR_LD0001G_01_f_2015_65				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation was removed from the waterside slope and toe.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	6.30	Rating **	C	Issue No.	64
LM End	6.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.551666 °	39.551666 °
				-122.002639 °	-122.002639 °
DWR ID	DWR_LD0001G_01_f_2015_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The trees was removed from the landside toe.					

No Photos

LM Start	6.38	Rating **	A/W	Issue No.	10
LM End	6.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.552691 °	39.556459 °
				-122.003063 °	-122.003831 °
DWR ID	DWR_LD0001G_01_s_2012_10				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_10\_20180305\_00005.jpg



View of the Army Corps of Engineers mitigation site.

LM Start	8.05	Rating **	M	Issue No.	20
LM End	8.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.576580 °	39.578187 °
				-122.004962 °	-122.005218 °
DWR ID	DWR_LD0001G_01_s_2012_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_20\_20180305\_00008.jpg



View of the trees and vegetation along the waterside slope of the levee.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	<b>8.47</b>	Rating **	U	Issue No.	<b>411</b>
LM End	<b>8.47</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.582275°	39.582275°	
			-122.007449°	-122.007449°	
DWR ID					

Comment Code

Inspector Comment

FS\_ID:51285  
DS\_ID:22918  
EP\_NO: 9563  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/21/2016 same as last inspection crossing is opened on both ends and damaged on WS slope is visible. According to LMA representative, Nick Henning, pipe appears to be abandoned. (O. Magana - DWR UCIP)05/31/2013 Pipe open on both ends and damaged on WS slope. Pipe should be abandoned properly if appropriate. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 12-inch steel drainage pipe through levee, 5 feet below crown. Pipe open on both waterside (WS) and landside (LS) ends. One corrugated metal cutoff wall. (12-inch pipe [HLM 8.6] authorized under Automatic Board Order (ABO) No. 9563, 1974 - County of Glenn). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 8.60)].  
FS Date: 12/21/2016

LM Start	<b>8.47</b>	Rating **	U	Issue No.	<b>411 (cont)</b>
LM End	<b>8.47</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51285\_23668.jpg



Pipe on LS slope.

Photo 2 of 3 : UCIP\_SP\_2018\_51285\_23667.jpg



Pipe on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	8.47	Rating **	U	Issue No.	411 (cont)
LM End	8.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.582275 °	39.582275 °
				-122.007449 °	-122.007449 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51285  
DS\_ID:22918  
EP\_NO: 9563  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/21/2016 same as last inspection crossing is opened on both ends and damaged on WS slope is visible. According to LMA representative, Nick Henning, pipe appears to be abandoned. (O. Magana - DWR UCIP)05/31/2013 Pipe open on both ends and damaged on WS slope. Pipe should be abandoned properly if appropriate. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 12-inch steel drainage pipe through levee, 5 feet below crown. Pipe open on both waterside (WS) and landside (LS) ends. One corrugated metal cutoff wall. (12-inch pipe [HLM 8.6] authorized under Automatic Board Order (ABO) No. 9563, 1974 - County of Glenn). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 8.60)].  
FS Date: 12/21/2016

Photo 3 of 3 : UCIP\_SP\_2018\_51285\_23666.jpg



Pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	8.84	Rating **	A/W	Issue No.	413
LM End	8.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.587097 °	39.587097 °
				-122.005598 °	-122.005598 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:16226  
DS\_ID:22919  
EP\_NO: 9562  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe with 0.375-inch wall epoxy coated steel sleeved through existing 30-inch corrugated metal pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 44-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe was authorized under Permit No. 9562-1, 2012 - Levee District No. 1 - Glenn County). (Original 30-inch pipe was authorized under Automatic Board Order (ABO) issued as Permit No. 9562, 1974 - L. R. Henrich).  
[Additional Reference(s): DWR Levee Log, 1992, 30-inch pipe listed. USACE Sacramento O&M Manual 140, May 1960, (HLM 8.98)].  
FS Date: 5/31/2013

LM Start	<b>8.84</b>	Rating **	A/W	Issue No.	<b>413 (cont)</b>
LM End	<b>8.84</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_16226\_27356.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_16226\_27355.jpg



Drainage swale terminates at Concrete headwall for pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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### Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	<b>8.84</b>	Rating **	A/W	Issue No.	<b>413 (cont)</b>
LM End	<b>8.84</b>	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.587097 °	39.587097 °
				-122.005598 °	-122.005598 °
DWR ID					

Comment Code

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Inspector Comment	
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FS\_ID:16226  
DS\_ID:22919  
EP\_NO: 9562  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe with 0.375-inch wall epoxy coated steel sleeved through existing 30-inch corrugated metal pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 44-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe was authorized under Permit No. 9562-1, 2012 - Levee District No. 1 - Glenn County). (Original 30-inch pipe was authorized under Automatic Board Order (ABO) issued as Permit No. 9562, 1974 - L. R. Henrich). [Additional Reference(s): DWR Levee Log, 1992, 30-inch pipe listed. USACE Sacramento O&M Manual 140, May 1960, (HLM 8.98)].  
FS Date: 5/31/2013

Photo 3 of 3 : UCIP\_SP\_2018\_16226\_27354.jpg



Slide gate in 44-inch CMP riser on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable            C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                      A/W : Acceptable but Monitor & Maintain	En : Enforcement





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	9.49	Rating **	M	Issue No.	414 (cont)	
LM End	9.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.596012 °	39.596012 °	
				-122.002638 °	-122.002638 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14389						
DS_ID:22920						
EP_NO: 9560						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Heavy rust along springline of pipe. Pipe has slight deformation at centerline of levee, not noticable on crown.						
FIELD_STRUCT_DESC: 72-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 8-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (72-inch pipe [HLM 9.64]authorized under Automatic Board Order (ABO) issued as Permit No. 9560, 1974 - John and Lena Friesen). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 9.64)].						
FS Date: 5/31/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_14389\_23684.jpg



Flap gate and headwall on WS toe.

LM Start	9.50	Rating **	A/W	Issue No.	8
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.596192 °	39.607288 °
				-122.002573 °	-121.994565 °
DWR ID	DWR_LD0001G_01_s_2012_8				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_8\_20180305\_00004.jpg



View of the Army Corps of Engineers mitigation site.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	9.91	Rating **	A/W	Issue No.	415
LM End	9.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.601470 °	39.601470 °
				-121.999501 °	-121.999501 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:14390  
DS\_ID:22921  
EP\_NO: 9559  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 10.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9559, 1974 - David and Mary Giesbrecht). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.05)].  
FS Date: 5/31/2013

LM Start	<b>9.91</b>	Rating **	A/W	Issue No.	<b>415 (cont)</b>
LM End	<b>9.91</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_14390\_23690.jpg



Slide gate in 36-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP\_SP\_2018\_14390\_23689.jpg



Concrete headwall and pipe at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	9.93	Rating **	A/W	Issue No.	416 (cont)
LM End	9.93	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.601659 °	39.601659 °
				-121.999209 °	-121.999209 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:14559  
DS\_ID:22922  
EP\_NO: 9558  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Two corrugated metal cutoff walls. Concrete headwalls on both ends. (24-inch pipe [HLM 10.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9558, 1974 - Duard Geis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.08)].  
FS Date: 5/31/2013 8:43:01 AM

LM Start	<b>9.93</b>	Rating **	A/W	Issue No.	<b>416 (cont)</b>
LM End	<b>9.93</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_14559\_23985.jpg



Slide gate in 36-inch CMP riser on WS slope.

Photo 3 of 3 : UCIP\_SP\_2018\_14559\_23984.jpg



Pipe, flapgate, and headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	10.43	Rating **	U	Issue No.	420
LM End	10.43	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.607688 °	39.607688 °
				-121.994278 °	-121.994278 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51286  
DS\_ID:22924  
EP\_NO: 9556  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/21/2016 same as last inspection flap gate disabled in open position. Surface erosion observed on LS slope. Recommend repair on WS flap gate to be able to close flap gate. (O. Magana - DWR UCIP)05/31/2013 Flap gate dissabled in open position. Pipe rusted through at WS toe upstream of Flapgate. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below crown. Flap gate is located on the waterside (WS) end. Slide gate is inside a corrugated metal pipe (CMP) riser located on the WS slope. Two CM cutoff walls. Concrete headwall is located on LS and under outlet at the WS toe. (24-inch pipe [HLM 10.59] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - E. R & M. R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 10.59)].  
FS Date: 12/21/2016

LM Start	<b>10.43</b>	Rating **	U	Issue No.	<b>420 (cont)</b>
LM End	<b>10.43</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51286\_24006.jpg



Drainage channel on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_51286\_24005.jpg



Concrete headwall and pipe at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	11.02	Rating **	A/W	Issue No.	421
LM End	11.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.616041 °	39.616041 °
				-121.994450 °	-121.994450 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14565 DS_ID:22925 EP_NO: 9556 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. Slide gate in 60-inch diameter corrugated metal riser unit on the WS slope (48-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - Earl R. and Merrit R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.17)]. FS Date: 5/31/2013					

LM Start	<b>11.02</b>	Rating **	A/W	Issue No.	<b>421 (cont)</b>
LM End	<b>11.02</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_14565\_24009.jpg



Drainage ditch on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_14565\_24008.jpg



Slide gate in 60-inch CMP riser on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	11.02	Rating **	A/W	Issue No.	421 (cont)	
LM End	11.02	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.616041 °	39.616041 °	
				-121.994450 °	-121.994450 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14565 DS_ID:22925 EP_NO: 9556 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. Slide gate in 60-inch diameter corrugated metal riser unit on the WS slope (48-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - Earl R. and Merrit R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.17)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_14565\_24007.jpg



Flap gate and concrete headwall on WS toe.

LM Start	11.10	Rating **	M	Issue No.	66
LM End	11.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.617252 °	39.618192 °
				-121.994605 °	-121.995609 °
DWR ID	DWR_LD0001G_01_f_2015_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the waterside slope.					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_66\_20180305\_00032.jpg



View of the rodent holes along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	48
LM End	11.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.622083 °	39.622821 °
				-121.998858 °	-121.999244 °
DWR ID	DWR_LD0001G_01_s_2014_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_LD0001G\_432\_48\_20180305\_00016.jpg



View of the rodent activity along the waterside slope.

LM Start	11.64	Rating **	A/W	Issue No.	422
LM End	11.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.623874 °	39.623874 °
				-121.999813 °	-121.999813 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:14566 DS_ID:22926 EP_NO: 9555 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.81] authorized under Automatic Board Order (ABO) issued as Permit No. 9555, 1974 - F. S. Reager). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.81)]. FS Date: 5/31/2013					

Photo 1 of 3 : UCIP\_SP\_2018\_14566\_24013.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	11.66	Rating **	M	Issue No.	79
LM End	11.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624112 °	39.624112 °
				-121.999933 °	-121.999933 °
DWR ID	DWR_LD0001G_01_f_2016_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope and crown.					

Photo 1 of 2 : SP\_2018\_LD0001G\_432\_79\_20180305\_00041.jpg



View of the rodent holes along the landside slope with large hammer sitting in the hole.

LM Start	<b>11.66</b>	Rating **	M	Issue No.	<b>79 (cont)</b>
LM End	<b>11.66</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2018\_LD0001G\_432\_79\_20180305\_00042.jpg



Another view of the rodent holes along the landside slope with a large hammer sitting next to the hole.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	11.67	Rating **	M	Issue No.	42
LM End	11.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624171 °	39.625823 °
				-121.999967 °	-122.000834 °
DWR ID	DWR_LD0001G_01_s_2012_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	11.76	Rating **	M	Issue No.	423	
LM End	11.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.625463 °		39.625463 °
				-122.000658 °		-122.000658 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14567 DS_ID:22927 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion and sloughing on LS slope possibly due to rodent activity in area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. 48-inch concrete standpipe on the landside (LS) toe. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.93] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.93)]. FS Date: 5/31/2013						

Photo 1 of 3 : UCIP\_SP\_2018\_14567\_24017.jpg



Concrete standpipe on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	









**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	11.87	Rating **	M	Issue No.	424 (cont)	
LM End	11.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.626918 °	39.626918 °	
				-122.001421 °	-122.001421 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14569						
DS_ID:22928						
EP_NO: 9554						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Flap gate heavily corroded. Good candidate for video inspection. Vegetation interfering with inlet.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [12.04] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.04)].						
FS Date: 5/31/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_14569\_24024.jpg



Headwall and flapgate on WS toe.

LM Start	11.91	Rating **	M	Issue No.	44
LM End	11.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.627423 °	39.628278 °
				-122.001562 °	-122.001818 °
DWR ID	DWR_LD0001G_01_s_2012_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries partially block visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

### Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	03/08/2018 03/08/2018	Bob Duffey

LM Start	12.13	Rating **	A/W	Issue No.	425 (cont)	
LM End	12.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.630451 °	39.630451 °	
				-122.002737 °	-122.002737 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:14570 DS_ID:22929 EP_NO: 9554 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete U-shaped headwalls on both ends. (24-inch pipe [HLM 12.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.29)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP\_SP\_2018\_14570\_24027.jpg



U-shaped concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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